

SEQUENCE LISTING

<110> H. M. Noteborn , Mathieu
AAM Danen Van Oorschot, Astrid

<120> AOPTIN ASSOCIATING PROTEINS

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<140> 09/655,109

<141> 2000-09-05

<150> 99203465.2

<151> 1999-10-21

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<170> PatentIn version 3.3

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<212> DNA

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taccactaca atggatg

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Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
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ccctaaaaag	gagaagaagg	agaaaagttga	aaagcaggac	aaagagaaac	ctgagaaaaga	240
caaggaaatt	agtcctagt	ttaccaagaa	aaataccaac	aagaaaacca	aaccaaagtc	300
tgacattctg	aaagatcctc	ctagtgaagc	aaacagcata	cagtctgcaa	atgctacaac	360
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tgcacagcag	ttggcagtaa	ctgtgggcaa	cgtcaccgtc	attatcacag	actttaagga	480
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Ala Gly Tyr Ser Pro Ser Met Thr Met Gly Asp Lys Lys Ser Pro Thr
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Arg Pro Lys Arg Gln Ala Lys Pro Ala Ala Asp Glu Gly Phe Trp Asp
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Cys Ser Val Cys Thr Phe Arg Asn Ser Ala Glu Ala Phe Lys Cys Ser
50 55 60

Ile Cys Asp Val Arg Lys Gly Thr Ser Thr Arg Lys Pro Arg Ile Asn
35

65	70	75	80
Ser Gln Leu Val	Ala Gln Gln Val	Ala Gln Gln Tyr	Ala Thr Pro Pro
	85	90	95
Pro Pro Lys Lys	Glu Lys Lys Glu	Lys Val Glu Lys	Gln Asp Lys Glu
	100	105	110
Lys Pro Glu Lys	Asp Lys Glu Ile	Ser Pro Ser Val	Thr Lys Lys Asn
	115	120	125
Thr Asn Lys Lys	Thr Lys Pro Lys	Ser Asp Ile Leu	Lys Asp Pro Pro
	130	135	140
Ser Glu Ala Asn	Ser Ile Gln Ser	Ala Asn Ala Thr	Thr Lys Thr Ser
145	150	155	160
Glu Thr Asn His	Thr Ser Arg Pro	Arg Leu Lys Asn	Val Asp Arg Ser
	165	170	175
Thr Ala Gln Gln	Leu Ala Val Thr	Val Gly Asn Val	Thr Val Ile Ile
	180	185	190
Thr Asp Phe Lys	Glu Lys Thr Arg	Ser Ser Ser Thr	Ser Ser Ser Thr
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Val Thr Ser Ser	Ala Gly Ser Glu	Gln Gln Asn Gln	Ser Ser Ser Gly
	210	215	220
Ser Glu Ser Thr	Asp Lys Gly Ser	Ser Ser Arg Ser	Ser Thr Pro Lys
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Asp Met Ser Ala	Val Asn Asp Glu	Ser Phe Xaa Asn	Cys Thr Trp Asn
	245	250	255
Cys Glu Asn Tyr	Glu Ser Gly Tyr	Glu Ile Gln Asn	Leu His Leu Pro
	260	265	270
Met Leu Leu Ala	Ser Leu Glu Asn	Leu Leu Trp Thr	Ser Thr Ser Xaa
	275	280	285
Xaa Cys Cys Gln	Asp Asn Phe Cys	Leu Pro Trp Ala	Ser Gly His Gln

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Gly Ile Ser His Pro Asp Asp Tyr Ser Xaa His Phe Tyr Val Phe His		
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Cys Phe Ile Xaa Phe Ser Xaa Gln Ser Phe Ile Ile Gly Cys Ala Pro		
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~~<223> /note="AAP-1 a nucleic acid, wherein N can be A, C, G or T"~~

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tgggateaat	teteagetgg	tggencaaaa	agtggaeaaa	eagtatgeea	eeeeaceeee	180
eeetaaaaag	gagaagaagg	agaaagttga	aaageaggae	aaagagaaaa	etgagaaaga	240
caaggaaatt	agtectagtg	ttaccaagaa	aaataceaaa	aagaaaaaea	aaceaaaagte	300
tgacatttetg	aaagateete	etagtgaage	aaacageata	eagtetgeaa	atgetacaaa	360
aaagaceage	gaaacaaaate	acaceteaag	ggcccgggtg	aaaaaegtgg	acaggageae	420
tgcacageag	ttggcagtaa	etgtgggeaa	egteacegte	attateaeag	actttaagga	480
aaagaetege	teeteatega	eateeteate	eacagtgaee	teeagtgeag	ggteagaaea	540
geagaaceag	aseagetegg	ggtcagagag	eacagaeaa	ggeteeteee	gtteeteae	600
gecaaaagge	gacatgteag	eagteaata	tgaattttte	tgaaattgea	eatggaattg	660
tgaaaaetat	gaateagggg	atgaaattea	aaaeteeae	etgeecatge	tgettgeate	720
eetggagaat	ettetgtgga	eategacete	ttagtgatge	tgecaggata	atttetgett	780
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aaectetgga	tcaatttete	getggtgga	eaacaagtgg	caacaacagta	tgeaceeeea	360
eeaceeeeta	aaaaggagaa	gaaggagaaa	gttgaaaage	aggacaaaaga	gaaacctgag	420
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ageactgae	ageagttgge	agtaaetgtg	ggcaaeagtea	eegeteattat	caacagaettt	660
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~~wherein X stands for unknown amino acid residue"~~

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Ala Gly Tyr Ser Pro Ser Met Thr Met Gly Asp Lys Lys Ser Pro Thr
— ————— 20 ————— 25 ————— 30

Arg Pro Lys Arg Gln Ala Lys Pro Ala Ala Asp Glu Gly Phe Trp Asp
— ————— 35 ————— 40 ————— 45

Cys Ser Val Cys Thr Phe Arg Asn Ser Ala Glu Ala Phe Lys Cys Ser
— 50 ————— 55 ————— 60

Ile Cys Asp Val Arg Lys Gly Thr Ser Thr Arg Lys Pro Arg Ile Asn
— 65 ————— 70 ————— 75 ————— 80

Ser Gln Leu Val Ala Gln Gln Val Ala Gln Gln Tyr Ala Thr Pro Pro
85 ————— 90 ————— 95

Pro Pro Lys Lys Glu Lys Lys Glu Lys Val Glu Lys Gln Asp Lys Glu
— ————— 100 ————— 105 ————— 110

Lys Pro Glu Lys Asp Lys Glu Ile Ser Pro Ser Val Thr Lys Lys Asn
— 115 ————— 120 ————— 125

Thr Asn Lys Lys Thr Lys Pro Lys Ser Asp Ile Leu Lys Asp Pro Pro
— 130 ————— 135 ————— 140

Ser Glu Ala Asn Ser Ile Gln Ser Ala Asn Ala Thr Thr Lys Thr Ser
145 ————— 150 ————— 155 ————— 160

Glu Thr Asn His Thr Ser Arg Pro Arg Leu Lys Asn Val Asp Arg Ser
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Thr Ala Gln Gln Leu Ala Val Thr Val Gly Asn Val Thr Val Ile Ile
— 180 ————— 185 ————— 190

Thr Asp Phe Lys Glu Lys Thr Arg Ser Ser Ser Thr Ser Ser Ser Thr
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Val Thr Ser Ser Ala Gly Ser Glu Gln Gln Asn Gln Ser Ser Ser Gly
— 210 ————— 215 ————— 220

Ser Glu Ser Thr Asp Lys Gly Ser Ser Arg Ser Ser Thr Pro Lys Gly
225 ————— 230 ————— 235 ————— 240

Asp Met Ser Ala Val Asn Asp Glu Ser Phe Xaa Asn Cys Thr Trp Asn
— 245 ————— 250 ————— 255

Cys Glu Asn Tyr Glu Ser Gly Tyr Glu Ile Gln Asn Leu His Leu Pro
— 260 ————— 265 ————— 270

Met Leu Leu Ala Ser Leu Glu Asn Leu Leu Trp Thr Ser Thr Ser Xaa
— 275 ————— 280 ————— 285

Xaa Cys Cys Gln Asp Asn Phe Cys Leu Pro Trp Ala Ser Gly His Gln
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Gly Ile Ser His Pro Asp Asp Tyr Ser Xaa His Phe Tyr Val Phe His
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Cys Phe Ile Xaa Phe Ser Xaa Gln Ser Phe Ile Ile Gly Cys Ala Pro
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Glu Ser Thr Phe Tyr Lys Lys Ala Phe Val Ala Ser Arg Asp Leu Xaa
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SEQUENCE LISTING

<110> H. M. Noteborn , Mathieu
AAM Danen Van Oorschot, Astrid

<120> APOPTIN ASSOCIATING PROTEINS

<130> 2906-4996US

<140> 09/655,109

<141> 2000-09-05

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Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu

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Cys	Ser	Val	Cys	Thr	Phe	Arg	Asn	Ser	Ala	Glu	Ala	Phe	Lys	Cys	Ser
50			55			60									

Ile	Cys	Asp	Val	Arg	Lys	Gly	Thr	Ser	Thr	Arg	Lys	Pro	Arg	Ile	Asn
65			70			75			80						

Ser	Gln	Leu	Val	Ala	Gln	Gln	Val	Ala	Gln	Gln	Tyr	Ala	Thr	Pro	Pro
85			90			95									

Pro	Pro	Lys	Lys	Glu	Lys	Lys	Glu	Lys	Val	Glu	Lys	Gln	Asp	Lys	Glu
100			105			110									

Lys	Pro	Glu	Lys	Asp	Lys	Glu	Ile	Ser	Pro	Ser	Val	Thr	Lys	Lys	Asn
115			120			125									

Thr	Asn	Lys	Lys	Thr	Lys	Pro	Lys	Ser	Asp	Ile	Leu	Lys	Asp	Pro	Pro
130			135			140									

Ser	Glu	Ala	Asn	Ser	Ile	Gln	Ser	Ala	Asn	Ala	Thr	Thr	Lys	Thr	Ser
145			150			155			160						

Glu	Thr	Asn	His	Thr	Ser	Arg	Pro	Arg	Leu	Lys	Asn	Val	Asp	Arg	Ser
165			170			175									

Thr	Ala	Gln	Gln	Leu	Ala	Val	Thr	Val	Gly	Asn	Val	Thr	Val	Ile	Ile
180			185			190									

Thr	Asp	Phe	Lys	Glu	Lys	Thr	Arg	Ser	Ser	Ser	Thr	Ser	Ser	Ser	Thr
195			200			205									

Val	Thr	Ser	Ser	Ala	Gly	Ser	Glu	Gln	Gln	Asn	Gln	Ser	Ser	Ser	Gly
210			215			220									

Ser	Glu	Ser	Thr	Asp	Lys	Gly	Ser	Ser	Arg	Ser	Ser	Thr	Pro	Lys	Gly
225			230			235			240						

Asp	Met	Ser	Ala	Val	Asn	Asp	Glu	Ser	Phe	Xaa	Asn	Cys	Thr	Trp	Asn
245			250			255									

Cys	Glu	Asn	Tyr	Glu	Ser	Gly	Tyr	Glu	Ile	Gln	Asn	Leu	His	Leu	Pro	
				260					265					270		

Met	Leu	Leu	Ala	Ser	Leu	Glu	Asn	Leu	Leu	Trp	Thr	Ser	Thr	Ser	Xaa	
				275					280					285		

Xaa	Cys	Cys	Gln	Asp	Asn	Phe	Cys	Leu	Pro	Trp	Ala	Ser	Gly	His	Gln	
				290					295					300		

Gly	Ile	Ser	His	Pro	Asp	Asp	Tyr	Ser	Xaa	His	Phe	Tyr	Val	Phe	His	
305					310					315					320	

Cys	Phe	Ile	Xaa	Phe	Ser	Xaa	Gln	Ser	Phe	Ile	Ile	Gly	Cys	Ala	Pro	
				325					330					335		

Glu	Ser	Thr	Phe	Tyr	Lys	Lys	Ala	Phe	Val	Ala	Ser	Arg	Asp	Leu	Xaa	
				340					345					350		

<210> 7

<211> 8

<212> PRT

<213> Simian virus 40

<220>

<223> SV40 large T antigen

<400> 7

Pro	Pro	Lys	Lys	Lys	Arg	Lys	Val
1					5		